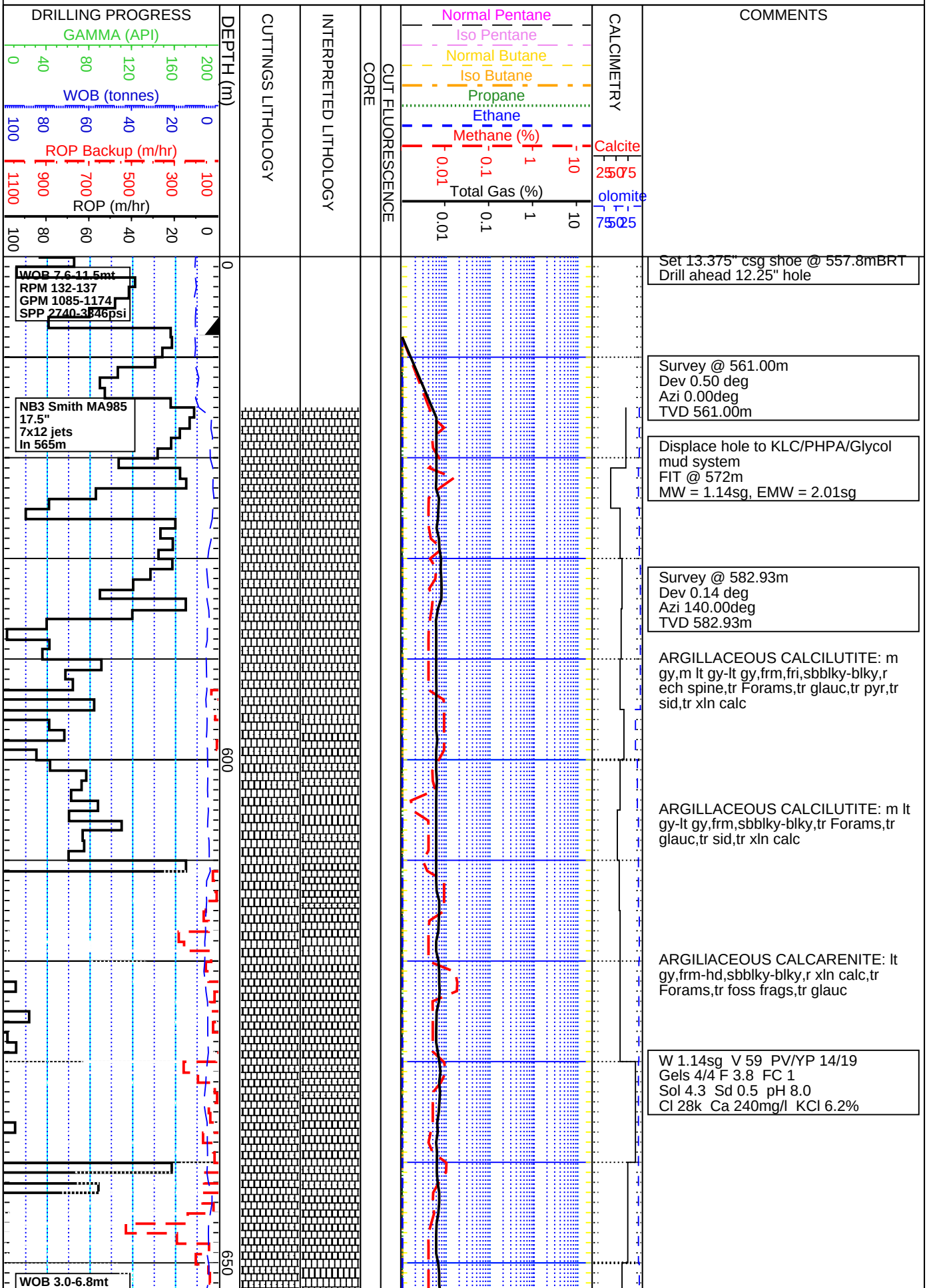
BAKER HUGHES
INTEQ

# FORMATION EVALUATION LOG
## GeographeNorth-1
## SCALE: 1:500.0




Set 13.375" csg shoe @ 557.8mBRT
Drill ahead 12.25" hole

Survey @ 561.00m
Dev 0.50 deg
Azi 0.00deg
TVD 561.00m

Displace hole to KLC/PHPA/Glycol mud system
FIT @ 572m
MW = 1.14sg, EMW = 2.01sg

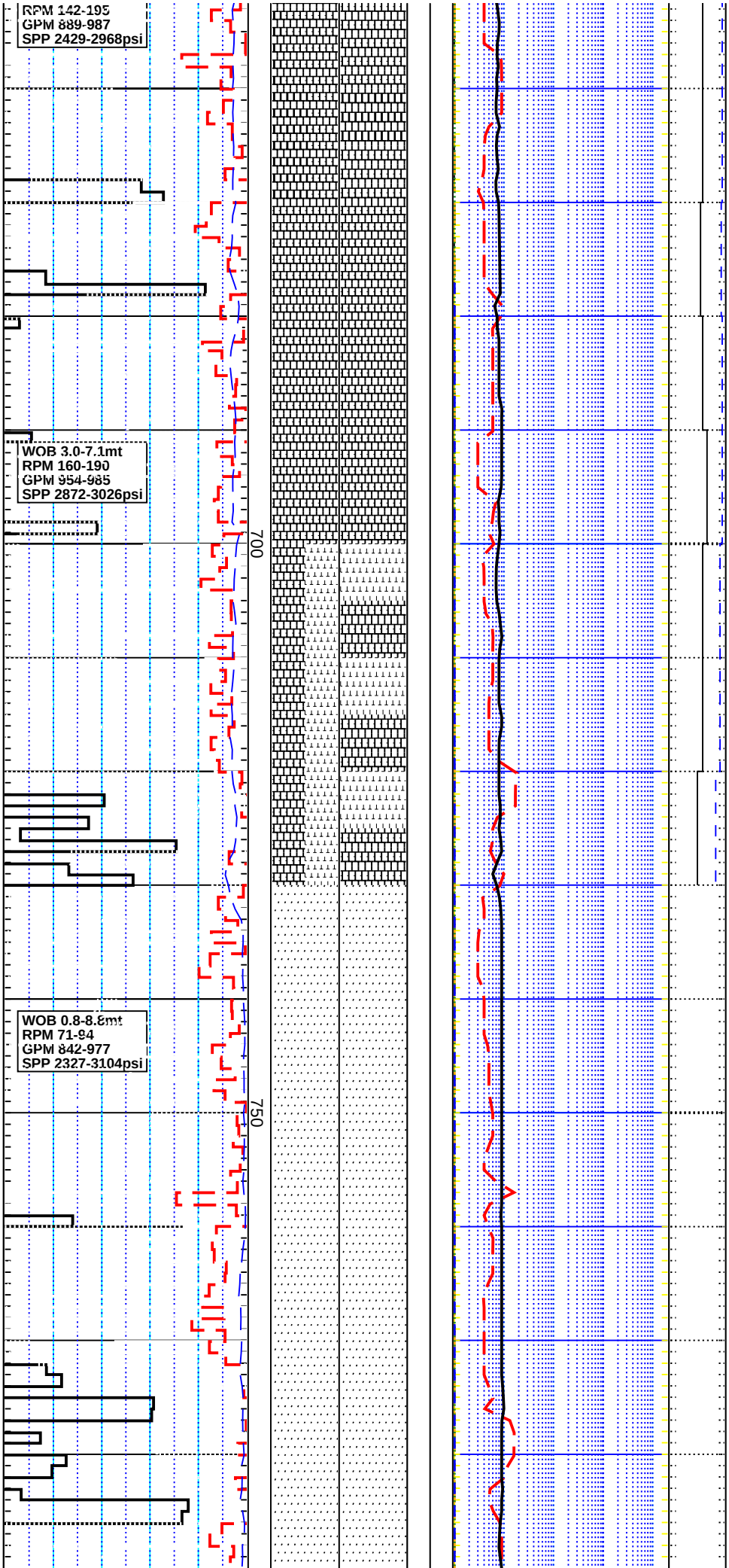
Survey @ 582.93m
Dev 0.14 deg
Azi 140.00deg
TVD 582.93m

ARGILLACEOUS CALCILUTITE: m gy,m lt gy-lt gy,frm,fri,sbblky-blky,r ech spine,tr Forams,tr glauc,tr pyr,tr sid,tr xln calc

ARGILLACEOUS CALCILUTITE: m lt gy-lt gy,frm,sbblky-blky,tr Forams,tr glauc,tr sid,tr xln calc

ARGILIACEOUS CALCARENITE: lt gy,frm-hd,sbblky-blky,r xln calc,tr Forams,tr foss frags,tr glauc

W 1.14sg V 59 PV/YP 14/19
Gels 4/4 F 3.8 FC 1
Sol 4.3 Sd 0.5 pH 8.0
Cl 28k Ca 240mg/l KCl 6.2%




CALCARENITE: lt gy,lt brnsh gy.lt brn-mod brn,frm-hd,blky,r org stn calc cmt, r xln calc,r foss frags,r xln calc

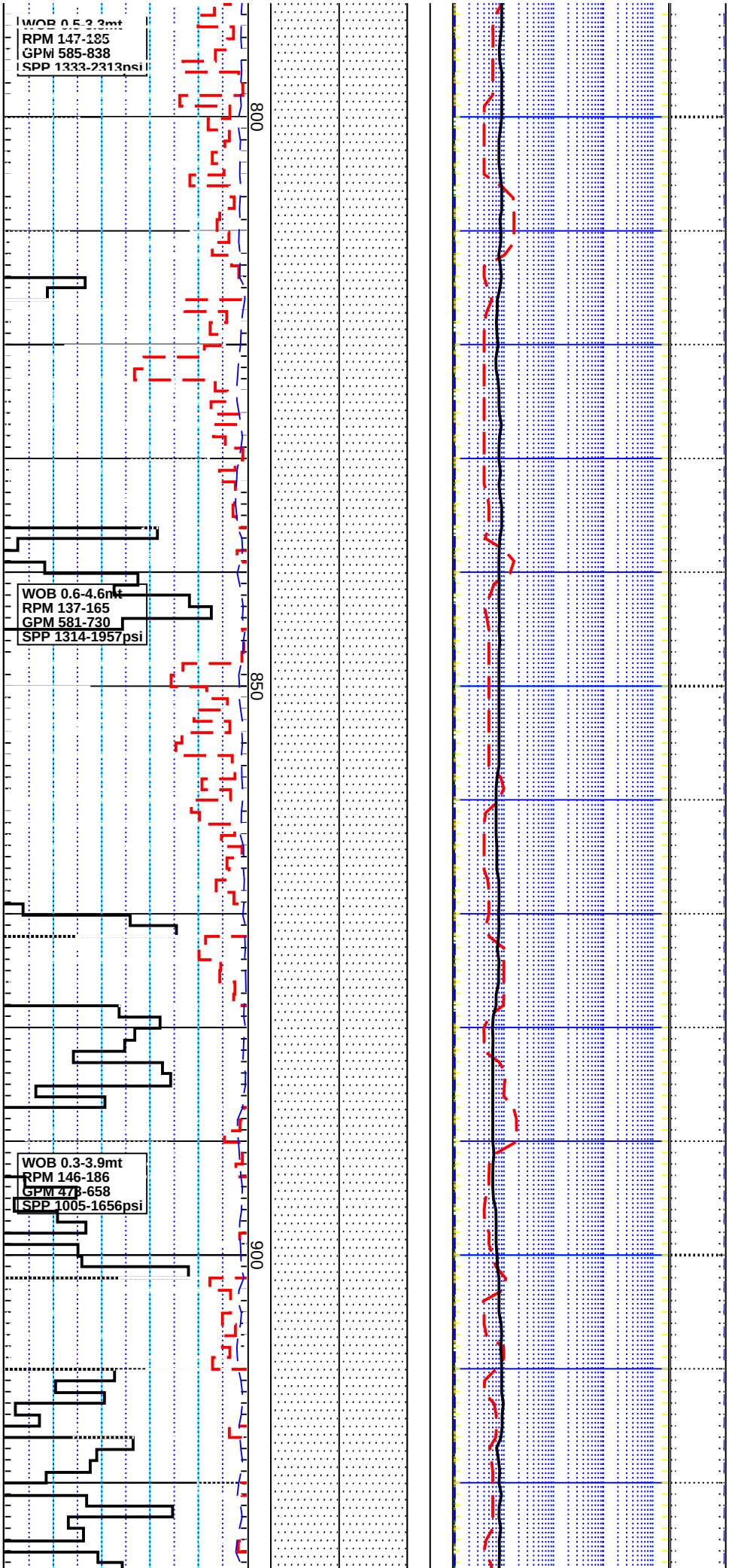
CALCAREOUS CLAYSTONE: lt gy-m lt gy,m dk gy,frm-hd,blky,occ fis,tr foss frags

SANDSTONE: blksh rd-v dsky rd,dk yelsh or,dsky brn-dsky yelsh brn stn, trans,rsns-glas-mky-prly,Lstrlse,v crs-m,sbang-wl rndd,elong-sbsphr,v p srt, tr glauc nods,p vis por,n shw

Reduce pump rate to 600-700GPM to control losses at shakers

W 1.14sg V 56 PV/YP 19/19
Gels 4/5 F 4.4 FC 1
Sol 4.28 Sd 0.75 pH 9.5
Cl 49k Ca 320mg/l KCl 5.9%

Survey @ 787.44m
Dev 0.24 deg




Azi 327.54deg
TVD 787.44m

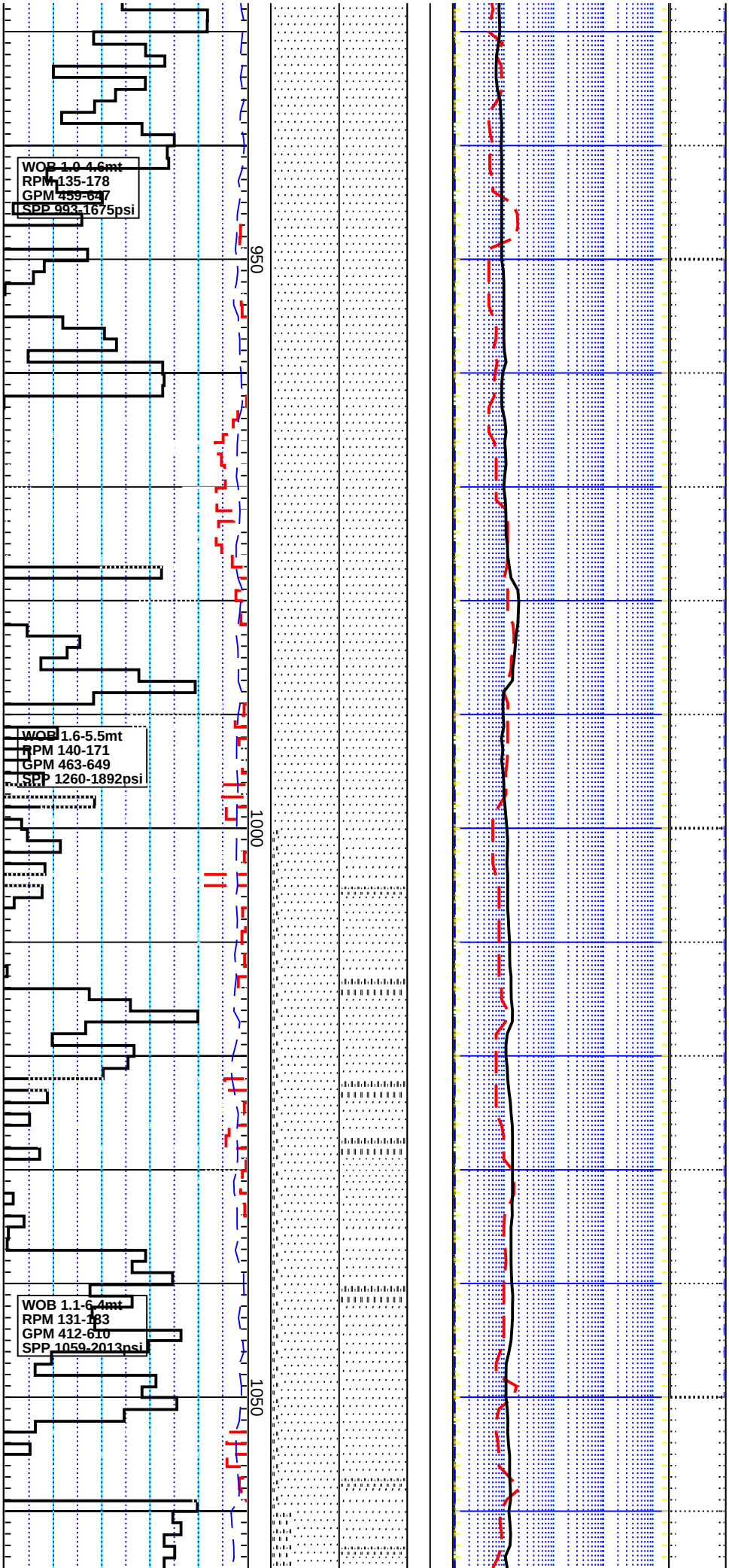
SANDSTONE: blksh rd-v dsky rd,dk yelsh or,dsky brn-dsky yelsh brn stn, trans,rsns-glas-mky-prly,Lstrlse,v crs-m,sbrndd-wl rndd,elong-sbsphr,v p srt, r pyr nod,r pyr cmt,tr glauc nods,p vis por,n shw

SANDSTONE: gysh brn,dk yelsh or stn,trans,rsns,glasy,mky,prly,lstr,qtz gr,lse,m-v crs,sbrndd-wl rndd,elong-sbsphr,v p-mod wl srt,r pyr nod,r pyr cmt,r slt mtx,r Fe cmt,tr glauc nods,tr micmic,p vis por,n shw

SANDSTONE: pl yelsh or,lt gy stn, tran,glas,fros,lse,qtz grns, crs-md sd, sb rnded-rnded,elong-sphr,mod srt,r non calc,tr amor CARBONACEOUS SILTSTONE,tr marcasite cmt,tr jasp

Increase MW to 1.25sg over several circulations

SANDSTONE: pl yelsh or,lt gy stn, tran,glas,fros,lse,qtz grns, crs-md sd, sb rnded-rnded,elong-sphr,mod srt,r non calc,amor,carb siltstone,tr jasp,tr sid



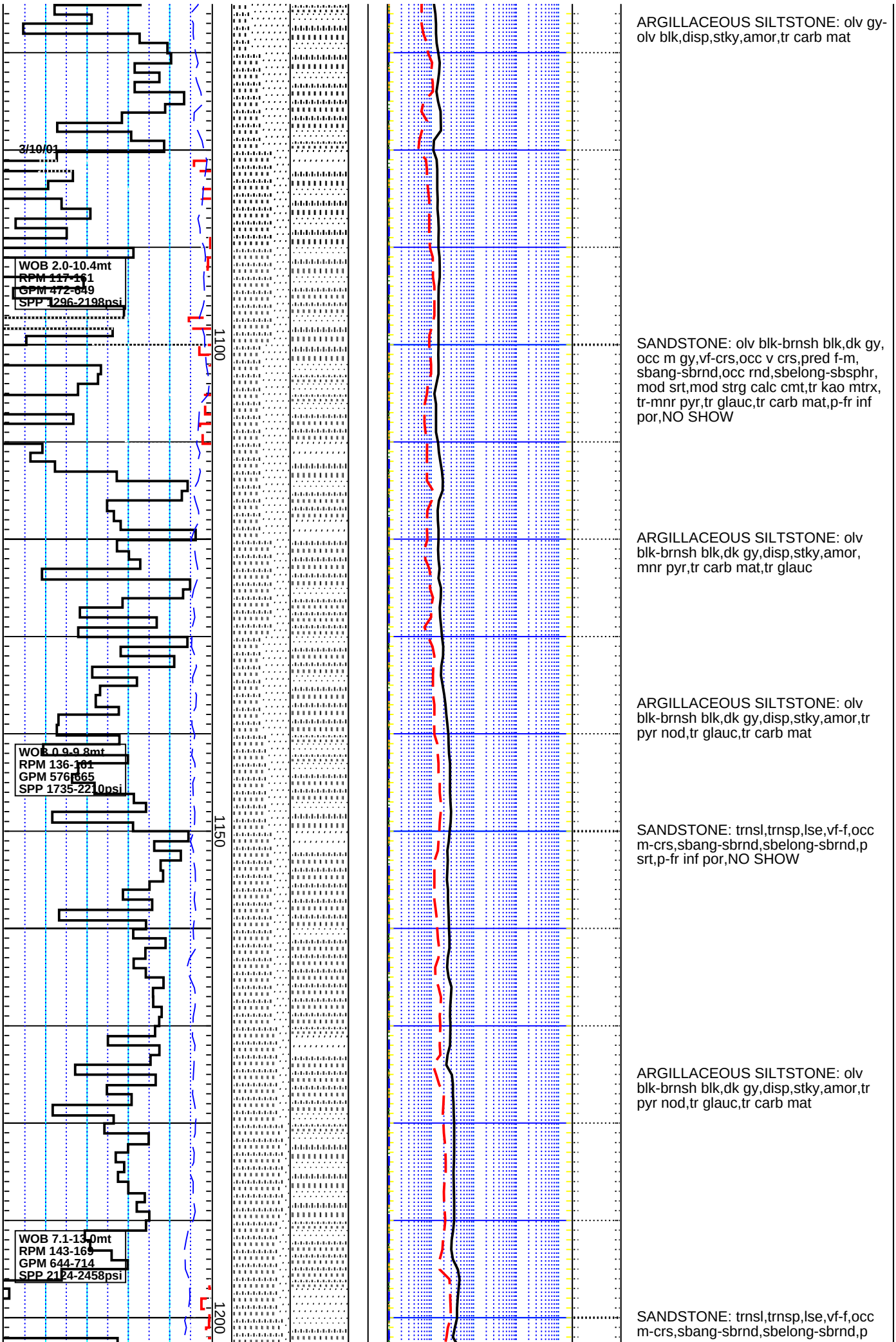

SANDSTONE: pl yelsh or,lt gy stn, tran,glas,fros,lse,qtz grns, crs-md sd, sb rnded-rnded,elong-sphr,mod srt,r non calc,amor,carb siltstone,tr jasp,tr sid

SILTSTONE: gysh blk,olv blk,plas, stky,amor,tr dissem pyr,tr carb mat

W 1.25sg V 60 PV/YP 24/25
Gels 5/6 F 4.2 FC 1
Sol 8.45 Sd 0.75 pH 9.5
Cl 48k Ca 320mg/l KCl 5.9%

Survey @ 1045.27m
Dev 1.06 deg
Azi 176.39deg
TVD 1045.26m

SANDSTONE: trnsp,trnsl,lse,vf-v crs, pred m,sbang-rnd,sbelong-sbrnd,p srt, fr inf por,NO SHOW


3/10/01
WOB 2.0-10.4mt
RPM 117-161
GPM 472-649
SPP 1296-2198psi
1100
WOB 0.9-9.8mt
RPM 136-161
GPM 576-665
SPP 1735-2210psi
1150
WOB 7.1-13.0mt
RPM 143-169
GPM 644-714
SPP 2124-2458psi
1200
ARGILLACEOUS SILTSTONE: olv gy-olv blk,disp,stky,amor,tr carb mat
SANDSTONE: olv blk-brnsh blk,dk gy, occ m gy,vf-crs,occ v crs,pred f-m, sbang-sbrnd,occ rnd,sbelong-sbsphr, mod srt,mod strg calc cmt,tr kao mtrx, tr-mnr pyr,tr glauc,tr carb mat,p-fr inf por,NO SHOW
ARGILLACEOUS SILTSTONE: olv blk-brnsh blk,dk gy,disp,stky,amor, mnr pyr,tr carb mat,tr glauc
ARGILLACEOUS SILTSTONE: olv blk-brnsh blk,dk gy,disp,stky,amor,tr pyr nod,tr glauc,tr carb mat
SANDSTONE: trnsl,trnsp,lse,vf-f,occ m-crs,sbang-sbrnd,sbelong-sbrnd,p srt,p-fr inf por,NO SHOW
ARGILLACEOUS SILTSTONE: olv blk-brnsh blk,dk gy,disp,stky,amor,tr pyr nod,tr glauc,tr carb mat
SANDSTONE: trnsl,trnsp,lse,vf-f,occ m-crs,sbang-sbrnd,sbelong-sbrnd,p

srt,p-fr inf por,NO SHOW